



#### PATENT ATTORNEY DOCKET NO: 01997/515001

# COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PREVASCULARIZED POLYMERIC IMPLANTS FOR ORGAN TRANSPLANTATION, the specification of which

☐ is attached hereto.	
was filed on August 29, 2001 as Application Serial No. 09/942,535	
and was amended on	
☐ was described and claimed in PCT International Application No	
filed on and as amended under PCT Article 19 on	
<u></u>	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY RIGHTS: I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Serial Number	Filing Date	Priority Claimed?
			Yes/No

PROVISIONAL PRIORITY RIGHTS: I hereby claim priority benefits under Title 35, United States Code, § 119(e) and § 120 of any United States provisional patent application(s) listed below filed by an inventor or inventors on the same subject matter as the present application and having a filing date before that of the application(s) of which priority is claimed:

Serial Number	Filing Date	Status

NON-PROVISIONAL PRIORITY RIGHTS: I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filling date of this application:

Page 1 of 3

Serial Number	Filing Date	Status
08/345,217	November 28, 1994	Issued
08/065,452	May 21, 1993	Abandoned
07/785,021	October 30, 1991	Abandoned
07/401,640	August 30, 1989	Abandoned
06/933,018	November 20, 1986	Abandoned
07/679,177	March 26, 1991	Abandoned
07/401,648	August 30, 1989	Abandoned
07/123,579	November 20, 1987	Abandoned
06/933,018	November 20, 1986	Abandoned
07/514,171	April 25, 1990	Abandoned
07/343,158	April 25, 1989	Abandoned
07/123,579	November 20, 1987	Abandoned
06/933,018	November 20, 1986	Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Paul T. Clark, Reg. No. 30,162, Karen L. Elbing, Ph.D. Reg. No. 35,238, Kristina Bieker-Brady, Ph.D. Reg. No. 39,109, Susan M. Michaud, Ph.D. Reg. No. 42,885, James D. DeCamp, Ph.D., Reg. No. 43,580, Sean J. Edman, Reg. No. 42,506, Timothy J. Douros, Reg. No. 41,716.

Address all telephone calls to: Kristina Bieker-Brady, Ph.D. at 617/428-0200.

Address all correspondence to: Kristina Bieker-Brady, Ph.D. at Clark & Elbing LLP, 176 Federal Street, Boston, MA 02110. Customer No: 21559

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James E. Stein	West Roxbury, MA Alfa Cong CA	83 Temple Street West Roxbury MA 02132	United States
Signatur :	~~	, Albrone Challe	Date; 4/2/07

Page 2 of 3

Full Name (First. Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James C. Gilbert	Decatur, GA	1217 McClellen Way Decatur, GA 30033	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Donald E. Ingber	Boston, MA	71 Montgomery Street Boston, MA 02116	United States
Signature:	-		Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citlzenship
Robert S. Langer	Newton, MA	77 Lombard Street Newton, MA 02158	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Joseph P. Vacanti	Winchester, MA	51 Fells Road Winchester, MA 01890	United States
Signature:			Date:



#### PATENT ATTORNEY DOCKET NO: 01997/515001

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PREVASCULARIZED POLYMERIC IMPLANTS FOR ORGAN TRANSPLANTATION, the specification of which

and was arrient □ was described	iust 29, 20 led on and claims	d in PCT Interna	on Serial No. <u>09/94</u> tional Application N under PCT Article	lo 19 on		
iversity state that I have neuding the claims, as a	mended by	any amendmen	t referred to above.	•		
acknowledge the duty to little 37, Code of Federal	disclose a Regulation	ll information i k s, § 1.56.	now to be material	to patent	ability in accordance w	nth
FOREIGN PRIORITY RIC § 119 of any foreign appli application(s) designating have also identified below international application(s by me on the same subje- claimed:	cation(s) for at least or any foreign	or patent or invelor ne country other on application for on at least one of	ntor's certificate or on the the the United States or Inventor's country other than to	of any Po etes of Al s certifica he Unite	ontemational merica listed below and ate or any PC'f d States of America file	d ed
Country	N lehe3	umbor	Filing Date		Priority Claimed?	
					Yes/No	
PROVISIONAL PRIORI 119(e) and § 120 of ony Inventors on the same si application(a) of which p	United State	tes provisional p ar as the presen	stent application(S)	listed be	alaw tiléd by an invento	or or
Serial Number	<u> </u>	Fliing Dale		Statuc		
	<u> </u>					

NON-PROVISIONAL PRIORITY RIGHTS: I hereby claim the benefit under Title 36, United States Code, § 120 of any United States application(6) licted below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information I know to be meterial to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which become available between the filling date of the prior application and the national or PCT international filling date of this application:

Page 1 of 3

Filing Date	Status
November 28, 1994	issued
May 21, 1993	Abandoned
October 30, 1991	Abandoned
August 30, 1989	Abandoned
November 20, 1986	Abandoned
March 26, 1991	Abandoned
Auguot 30, 1989	Abendoned
November 20, 1987	Abandoned
November 20, 1986	Abandoned
April 25, 1990	Abandoned
April 25, 1989	Abandoned
November 20, 1987	Abandoned
November 20, 1986	Abandoned
	November 28, 1994  May 21, 1993  October 30, 1991  August 30, 1989  November 20, 1986  March 26, 1991  Auguot 30, 1989  November 20, 1987  November 20, 1986  April 25, 1990  April 25, 1989  November 20, 1987

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Paul T. Clark, Reg. No. 30,162, Karen L. Elbing, Ph.D. Reg. No. 35,238, Kristina Bleker-Brady, Ph.D. Reg. No. 39,108, Susan M. Midhaud, Ph.D. Reg. No. 42,885, James D. DeCamp, Ph.D., Reg. No. 43,580, Sean J. Edman, Reg. No. 42,506, Timothy J. Douros, Reg. No. 41,716.

Address all telephone calls to: Kristina Bleker-Brady, Ph.D. at 617/428-0200.

Address all correspondence to: Kristina Bieker-Brady, Pli.D. at Clark & Elbing LLP, 176 Fodoral Street, Boston, MA 02110. Customer No: 21569

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that those statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Tille 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James E. Stein	West Roxbury, MA	83 Temple Street Weet Roxbury, MA 02132	United States
Signature:			Date:

Page 2 of 3

1		
Residence Address	Post Office Address (Street, City, State, Country)	Citizenship
Brankin Ch	1217 McClellen Way Decatur, GA 30033	United States
	I AT SAMINING COMMITTED	Dale: 4/10/05
<u> </u>		
Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Boston, MA	71 Monigomery Street Boston, MA 02116	United States
		Date:
Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Newton, MA	77 Lombard Street Newton, MA 02158	United States
		Date:
Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
1	51 Fells Road	United States
Winchester, MA	Winchester, MA U1890	
	City, State, Country)  Decetur, CA  Siver X my  Residence Address (City, State, Country)  Boston, MA  Residence Address (City, State, Country)  Newton, MA  Residence Address	City, State, Country)  Coestur, CA  Siver 2 mg  1217 McCiellen Way Decatur, GA 30033  Color 2 minute Cruck  Siver 2 mg  Post Office Address (Street, City, State, Country)  Residence Address (City, State, Country)  Residence Address (City, State, Country)  Residence Address (City, State, Country)  Newton, MA  Post Office Address (Street, City, State, Country)  Residence Address Newton, MA U2158  Residence Address  Post Office Address Newton, MA U2158

Page 3 of 3



Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James C. Gilbert	Decatur, GA	1217 McClellen Way Decatur, GA 30033	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Donald E. Ingber	Boston, MA	71 Montgomery Street Boston, MA 02116	United States
Signature:	W E. I/		Date: 4/9/62

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Robert S. Langer	Newton, MA	77 Lombard Street Newton, MA 02158	United States
Signature:	Property and Australia		Date:

Full Name (First, Middle, Last)	Residence Address (City, Stale, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Joseph P. Vacanti	Winchester, MA	51 Fells Road Winchester, MA 01890	United States
Signature <sup>,</sup>			Date:





PATENT ATTORNEY DOCKET NO: 01997/515001

#### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PREVASCULARIZED POLYMERIC IMPLANTS FOR ORGAN TRANSPLANTATION, the specification of which

☐ is attached hereto	•
	t 29, 2001 as Application Serial No. 09/942,535
	on
☐ was described and	claimed in PCT International Application No.
filed on	and as amended under PCT Article 19 on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY RIGHTS: I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Serial Number	Filing Date	Priority Claimed?
			Yes/No

PROVISIONAL PRIORITY RIGHTS: I hereby claim priority banefits under Title 35, United States Code, § 119(e) and § 120 of any United States provisional patent application(s) listed below filed by an inventor or inventors on the same subject matter as the present application and having a filing date before that of the application(s) of which priority is claimed:

Serial Number	Filing Date	Status

NON-PROVISIONAL PRIORITY RIGHTS: I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Fed ral Regulations, § 1.56 which became available between the filling date of the prior application and the national or PCT international filling date of this application:

Serial Number	Filing Date	Status
08/345,217	November 28, 1994	Issued
08/065,452	May 21, 1993	Abandoned
07/785,021	October 30, 1991	Abandoned
07/401,640	August 30, 1989	Abandoned
06/933,018	November 20, 1986	Abandoned
07/679,177	March 26, 1991	Abandoned
07/401,648	August 30, 1989	Abandoned
07/123,579	November 20, 1987	Abandoned
06/933,018	November 20, 1986	Abandoned
07/514,171	April 25, 1990	Abandoned
07/343,158	April 25, 1989	Abandoned
07/123,579	November 20, 1987	Abandoned
06/933,018	November 20, 1986	Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Paul T. Clark, Reg. No. 30,162, Karen L. Elbing, Ph.D. Reg. No. 35,238, Kristina Bieker-Brady, Ph.D. Reg. No. 39,109, Susan M. Michaud, Ph.D. Reg. No. 42,885, James D. DeCamp, Ph.D., Reg. No. 43,560, Sean J. Edman, Reg. No. 42,506, Timothy J. Douros, Reg. No. 41,716.

Address all telephone calls to: Kristina Bieker-Brady, Ph.D. at 617/428-0200.

Address all correspondence to: Kristina Bieker-Brady, Ph.D. at Clark & Elbing LLP, 176 Federal Street, Boston, MA 02110. Customer No: 21559

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James E. Stein	West Roxbury, MA	83 Temple Street West Roxbury, MA 02132	United States
Signature:			Date:



Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James C. Gilbert	Decatur, GA	1217 McClellen Way Decatur, GA 30033	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Donald E. Ingber	Boston, MA	71 Montgomery Street Boston, MA 02118	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Ciffice Address (Street, City, State, Country)	Citizenship
Robert S. Langer	Newton, MA	77-Lombard Street 48 Monks Newton, MA 02158 KA	United States
Signature:	MIL		Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Ciffice Address (Street, City, State, Country)	Citizenship
Joseph P. Vacanti	Winchester, MA	51 Fells Road Winchester, MA 01890	United States
Signature:			Date:



PATENT ATTORNEY DOCKET NO: 01997/515001

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PREVASCULARIZED POLYMERIC IMPLANTS FOR ORGAN TRANSPLANTATION, the specification of which

is attached hereto.	÷	
■ was filed on August 29, 2001 as Application Serial No. 09/942,535	<del></del>	
and was amended on	;	
□ was described and claimed in PCT International Application No.		
filed on and as amended under PCT Article 19 on	<del></del>	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY RIGHTS: I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Serial Number	Filing Date	Priority Claimed?
			Yes/No

PROVISIONAL PRIORITY RIGHTS: I hereby claim priority benefits under Title 35. United States Code, § 119(e) and § 120 of any United States provisional patent application(s) listed below filed by an inventor or inventors on the same subject matter as the present application and having a filling date before that of the application(s) of which priority is claimed:

Serial Number	Filing Date	Status
•		

NON-PROVISIONAL PRIORITY RIGHTS: I hereby claim the benefit under Titl 35. United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each fithe claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35. United States Code, § 112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filling date of the prior application and the national r PCT international filling date of this application:



Serial Number	Filing Date	Status	
08/345,217	November 28, 1994	Issued	
08/065,452	May 21, 1993	Abandoned	
07/785,021	October 30, 1991	Abandoned	
07/401,640	August 30, 1989	Abandoned	
06/933,018	November 20, 1986	Abandoned	
07/679,177	March 26, 1991	Abandoned	
07/401,648	August 30, 1989	Abandoned	
07/123,579	November 20, 1987	Abandoned	
06/933,018	November 20, 1986	Abandoned	
07/514,171	April 25, 1990	Abandoned	
07/343,158	April 25, 1989	Abandoned	
07/123,579	November 20, 1987	Abandoned	
06/933,018	November 20, 1986	Abandoned	

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Paul T. Clark, Reg. No. 30,162, Karen L Elbing, Ph.D. Reg. No. 35,238, Kristina Bieker-Brady, Ph.D. Reg. No. 39,109, Susan M. Michaud, Ph.D. Reg. No. 42,885, James D. DeCamp, Ph.D., Reg. No. 43,580, Sean J. Edman, Reg. No. 42,506, Timothy J. Douros, Reg. No. 41,716.

Address all telephone calls to: Kristina Bieker-Brady, Ph.D. at 617/428-0200.

Address all correspondence to: Kristina Bieker-Brady, Ph.D. at Clark & Elbing LLP, 176 Federal Street, Boston, MA 02110. Customer No: 21559

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James E. Stein	West Roxbury, MA	83 Temple Street West Roxbury, MA 02132	United States
Signature:			Date:

T-498 P.004/004 F-677





## COMBINED DECLARATION AND POWER OF ATTORNEY

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
James C. Gilbert	Decatur, GA	1217 McClellen Way Decatur, GA 30033	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Donald E. Ingber	Boston, MA	71 Montgomery Street Boston, MA 02116	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Robert S. Langer	Newton, MA	77 Lombard Street Newton, MA 02158	United States
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Joseph P. Vacanti	Winchester, MA	51 Fells Road-4 World & Winchester, MA 01890	United States
Signature: OSug	e D. Acan	t	Date: 4/9/01